

Product datasheet for PH306003

Cytohesin 3 (CYTH3) (NM_004227) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYTH3 MS Standard C13 and N15-labeled recombinant protein (NP_004218)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206003
Predicted MW:	46.3 kDa
Protein Sequence:	>RC206003 protein sequence Red=Cloning site Green=Tags(s)

MDEDGGGEGGGVPEDLSLEEREELDIRRRKELIDDIERLKYEIAEVMTEIDNLSVEESKTTQRNKQI
AMGRKKFNMDPKKGIQFLIENDLLQSSPEDVAQFLYKGEGLNKTVIGDYLGGERDEFNIKVLQAFVELHEF
ADLNLVQALRQFLWSFRLPGEAQKIDRMMEAFASRYCLCNPQVFQSTDTCYVLSFAIIMLNTSLHNHNVR
DKPTAERFIAMNRGINEGGDLPEELLRNLYESIKNEPFKIPEDDNDLTHFFNPDREGWLLKLGGRVKT
WKRRWFILTDNCLYFFEYTTDKPRGIIPLENLSIREVEDPRKPNCFELYNPSHKGQVIKACKTEADGRV
VEGNHVYRISAPSPREEEWMKSIKASISRPDPFYDMLATRKRIANKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004218</u>
RefSeq Size:	4482
RefSeq ORF:	1197
Synonyms:	ARNO3; cytohesin-3; GRP1; PSCD3
Locus ID:	9265



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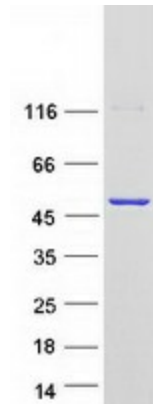
UniProt ID: [O43739](#)

Cytogenetics: 7p22.1

Summary: This gene encodes a member of the PSCD (pleckstrin homology, Sec7 and coiled-coil domains) family. PSCD family members have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. This encoded protein is involved in the control of Golgi structure and function, and it may have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified CYTH3 protein (Cat# [TP306003]). The protein was produced from HEK293T cells transfected with CYTH3 cDNA clone (Cat# [RC206003]) using MegaTran 2.0 (Cat# [TT210002]).